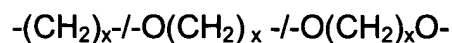
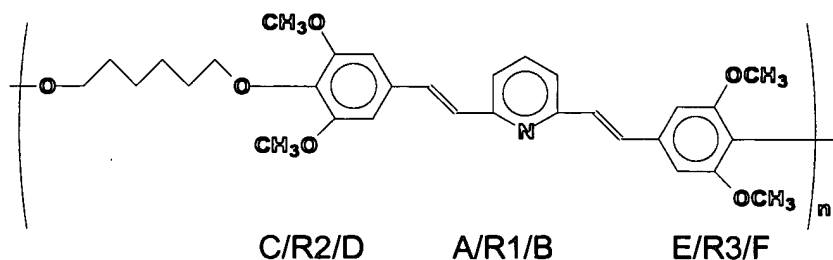


## CLAIM AMENDMENTS

~~WHAT IS CLAIMED IS:~~

### Polymer 1

1. (Original) A composition of matter comprising a polymer of the general structure:



wherein

the R1 substituents are independently selected from the group consisting of hydrogen, alkyl groups, alkoxy groups, and aryl groups;

the R2 substituents are independently selected from the group consisting of hydrogen, alkyl groups, alkoxy groups, and aryl groups;

the R3 substituents are independently selected from the group consisting of hydrogen, alkyl groups, alkoxy groups, and aryl groups;

wherein bonds A and B may independently be either ortho, meta or para with respect to the pyridyl nitrogen;

wherein bonds C and D may be either ortho, meta or para with respect one another;

and

wherein bonds E and F may be either ortho, meta or para with respect one another;

wherein Y may be a moiety selected from the group consisting of  $-(CH_2)_x-$ ,  $-(CH_2)_xO-$ ,  $-O(CH_2)_x-$  and  $-O(CH_2)_xO-$  wherein x is an integer in the range of 1 to 15 inclusive; and wherein n is an integer greater than 1.

2. (Original) A composition according to claim 1 wherein at least one R2 substituent is a methoxy group.

3. (Original) A composition according to claim 1 wherein at least two R2 substituents are methoxy groups.

4. (Original) A composition according to claim 1 wherein at least one R3 substituent is a methoxy group.

5. (Original) A composition according to claim 1 wherein at least two R3 substituents are methoxy groups.

6. (Original) A composition according to claim 1 wherein vinyl linkage A attaches at a position ortho to the pyridyl nitrogen.

7. (Original) A composition according to claim 1 wherein vinyl linkage B attaches at a position ortho to the pyridyl nitrogen.

8. (Original) A composition according to claim 1 wherein vinyl linkage A attaches at a position para to the pyridyl nitrogen.

9. (Original) A composition according to claim 1 wherein vinyl linkage B attaches at a position para to the pyridyl nitrogen.

10. (Original) A composition according to claim 1 wherein x is an integer in the range of 1 to 6 inclusive.

#### Polymer 2

11. (Cancelled)

12. (Cancelled)

13. (Cancelled)

14. (Cancelled)

15. (Cancelled)

16. (Cancelled)

17. (Cancelled)

18. (Cancelled)

19. (Cancelled)

20. (Cancelled)

21. (Cancelled)

22. (Cancelled)

Oligomers 1, 2, 3 & 4

23. (Cancelled)

24. (Cancelled)

25. (Cancelled)

Oligomer 5, 6, 7 & 8

26. (Cancelled)

27. (Cancelled)

28. (Cancelled)

29. (Cancelled)

30. (Cancelled)

Oligomers 9 & 10

31. (Cancelled)

32. (Cancelled)

33. (Cancelled)

Oligomers 11, 12 & 13

34. (Cancelled)

35. (Cancelled)

36. (Cancelled)

37. (Cancelled)

38. (Cancelled)

39. (Cancelled)

40. (Cancelled)

Block Co-polymer of Oligomers 1, 2, 3 & 4 (Y only)

41. (Cancelled)

42. (Cancelled)

43. (Cancelled)

Block Co-polymer of Oligomers 1, 2, 3 & 4 (Y, R & Z)

44. (Cancelled)

45. (Cancelled)

46. (Cancelled)

Block Co-polymer of Oligomers 5, 6, 7 & 8 (Y only)

47. (Cancelled)

48. (Cancelled)

49. (Cancelled)

50. (Cancelled)

51. (Cancelled)

Block Co-polymer of Oligomers 5, 6, 7 & 8 (Y, R & Z)

52. (Cancelled)

53. (Cancelled)

54. (Cancelled)

55. (Cancelled)

56. (Cancelled)

Block Co-polymer of Oligomers 9 & 10 (Y only)

57. (Cancelled)

58. (Cancelled)

59. (Cancelled)

Block Co-polymer of Oligomers 9 & 10 (Y, R and Z only)

60. (Cancelled)